

1977 Benchmark Survey of U.S. Direct Investment Abroad

THE results of BEA's 1977 benchmark survey of U.S. direct investment abroad have just been released in a publication entitled *U.S. Direct Investment Abroad, 1977*.¹ A brief description of the survey and selected highlights of the data from it are presented below. Several articles analyzing data from the survey in greater depth will appear in future issues of the *SURVEY OF CURRENT BUSINESS*. Topics such as trade, sales, gross product, and employment of U.S.-based multinational companies will be covered.

The Benchmark Survey

The purpose of the benchmark survey was to obtain complete and accurate data on U.S. direct investment abroad in 1977. U.S. direct investment abroad exists when one U.S. person (U.S. parent) has a direct or indirect ownership interest of 10 percent or more in a foreign business enterprise (foreign affiliate). The survey provides data that shed light on the effects of such investment on the U.S. and foreign economies.

The benchmark survey was a census, i.e., it was intended to cover the universe of direct investment, and reporting in it was mandatory. However, to ease the reporting burden on companies, very small affiliates—those with total assets, sales, and net income of less than \$500,000—were exempted from the survey. Reports covering 3,540 U.S. parents and their 24,666 foreign affiliates were received; 11,128 foreign affiliates were ex-

empted. Despite the large number of exempt affiliates, coverage of the universe in terms of value was virtually complete.²

The 1977 survey was the first benchmark survey of U.S. direct investment abroad conducted under authority of the International Investment Survey Act of 1976. The act requires that a benchmark survey be conducted at least once every 5 years. Previous benchmark surveys, conducted under authority of the Bretton Woods Agreement Act of 1945, were less frequent and less comprehensive in terms of the types of information collected. The last such survey covered 1966.³

In the 1977 survey, three related types of data were collected: (1) foreign affiliate financial and operating data, (2) U.S. parent financial and operating data, and (3) direct investment position and balance of payments data. Affiliate and parent financial and operating data cover balance sheets; inventories; property, plant, and equipment; income statements; sales; employment; employee compensation; merchandise trade; technology; and taxes. The direct investment position and balance of payments data cover positions and transactions between foreign affiliates and their U.S. parents, including data on direct investment capital outflows from U.S. parents to their foreign affiliates and receipts of income and of fees

and royalties by U.S. parents from their foreign affiliates.

The direct investment position and balance of payments data will be used primarily as a benchmark for BEA's regularly published series for these items. In the benchmarking procedure, sample data collected in nonbenchmark years are linked to universe data from the last benchmark survey. The benchmark data are then extrapolated forward, based on the sample data, to obtain universe estimates for subsequent years. At present, estimates for 1967-80 are linked to the 1966 benchmark survey. Revised estimates for 1978-80 will be obtained by linking the sample data for these years to the 1977 benchmark survey, and extrapolating forward. Revised estimates of the balance of payments items will be published in the June Survey; revised estimates of the position, and more detailed estimates of the balance of payments items, will be published in the August Survey. The highlights given below are confined to the foreign affiliate and U.S. parent financial and operating data for which regularly published series are not available.

The highlights are further limited to nonbank foreign affiliates of nonbank U.S. parents, and their U.S. parents. In the 1977 benchmark survey, the amount of financial and operating data collected differed depending on whether the foreign affiliates or U.S. parents were banks or nonbanks and, for nonbank affiliates, on their size and on whether they were majority or minority owned. Much more detailed data were collected for nonbank affiliates and parents than for bank affiliates and parents, because most of the information needed by the U.S. Government for the latter

2. The 11,128 exempt affiliates accounted for 21 percent of the number, but only 1 percent of total assets and less than 1 percent of sales and net income, of all reported and exempt affiliates combined.

3. Results of that survey were published in U.S. Department of Commerce, Bureau of Economic Analysis, *U.S. Direct Investment Abroad, 1966, Final Data* (Washington, D.C.: U.S. G.P.O., n.d.), price \$5.15, stock number 003-024-01073-9. Because of differences in concepts, methodology, and coverage, data from the 1966 and 1977 benchmark surveys are not fully comparable.

1. The publication includes 380 tables, a methodology of the survey, including the basic concepts and definitions of U.S. direct investment abroad, and reprints of the survey forms and instructions. Copies may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, price \$10.00, stock number 003-010-00070-1.

already had to be reported to other Government agencies.

Nonbank affiliates of nonbank U.S. parents accounted for 96 percent of the number, and 98 percent of the employment, of all foreign affiliates in 1977 (table 1). However, they accounted for only 59 percent of the total assets of all affiliates, because their assets tend, on the average, to be lower than those of bank affiliates. Bank affiliates' assets normally reflect substantial financial claims arising from their lending activities (their liabilities tend to be high as well, because of their sizable borrowing activities and customers' deposits). Similarly, nonbank parents accounted for 97 percent of both the number and employment, but only 73 percent of the total assets, of all U.S. parents.

The most detailed affiliate financial and operating data in the benchmark survey were obtained for the larger majority-owned nonbank affiliates, i.e., for nonbank affiliates in which the combined direct and indirect ownership interest of all U.S. parents exceeded 50 percent and in which assets, sales, or net income were at least \$3 million in 1977. In the highlights presented below, the data for all nonbank affiliates of nonbank U.S. parents are supplemented by selected data for these

majority-owned affiliates. Majority-owned affiliates accounted for 50 percent of the number, 72 percent of the total assets, and 76 percent of the employment of all nonbank affiliates of nonbank parents in 1977.

Selected Highlights

Balance sheets

* Total assets of nonbank affiliates of nonbank U.S. parents were \$490.2 billion at yearend 1977. About 30 percent of the total was property, plant, and equipment, net of accumulated depletion and depreciation; 28 percent was current receivables; and 17 percent was inventories.

* Nonbank affiliates had total liabilities of \$318.6 billion, of which \$205.1 billion was current liabilities and \$78.8 billion was long-term debt. Owners' equity in affiliates was \$171.6 billion; 88 percent was in incorporated affiliates and 12 percent in unincorporated affiliates.

* Majority-owned nonbank affiliates had total liabilities of \$215.0 billion, of which \$142.0 billion was current liabilities and \$46.3 billion was long-term debt. Only 12 percent of these affiliates' current liabilities and 18 percent of their long-term debt were owed to U.S.

parents; most of the remainder was owed to unaffiliated foreigners.

* For all nonbank affiliates, almost three-fourths of total assets—\$359.6 billion—were accounted for by affiliates in developed countries (table 2 and chart 8). Canada had the largest total—\$86.2 billion. Assets of European affiliates, at \$206.6 billion, were concentrated in the European Communities (9); the United Kingdom, Germany, and France had the largest shares. Japanese affiliates had assets of \$41.8 billion; only 16 percent were held by majority-owned affiliates (compared with 79 percent for affiliates in all other developed countries combined).

* Total assets of nonbank affiliates in developing countries were \$115.8 billion. Brazil and Bermuda had the largest totals—just over \$17 billion each.

* By industry of affiliate, total assets were concentrated in manufacturing (\$190.9 billion) and petroleum (\$114.4 billion) (table 3). Assets in finance (except banking), insurance, and real estate were \$76.8 billion, in trade \$56.1 billion, in mining \$18.8 billion, and in "other industries" \$38.7 billion. Of the manufacturing total, chemicals and "other manufacturing" each accounted for 20 percent, transportation equipment for 17 percent, and nonelectrical machinery for 15 percent. Of the petroleum total, petroleum and coal products accounted for 44 percent, and oil and gas extraction for 27 percent.

* Of total assets of manufacturing affiliates, 80 percent were in developed countries—51 percent in Europe alone (table 4). Within Europe, assets were largest in the United Kingdom (\$25.1 billion), Germany (\$21.5 billion), and France (\$15.8 billion). In Canada, assets were \$30.8 billion. Among developing countries, assets were largest in Brazil (\$12.5 billion) and Mexico (\$7.5 billion).

* Of total assets of petroleum affiliates, 67 percent were in developed countries, 24 percent in developing countries, and 9 percent in "international" (mainly tanker operations). Among developed countries, assets were largest in Canada (\$18.1 billion), Japan (\$13.0 billion), and the United Kingdom (\$12.0 bil-

Table 1.—Number, Total Assets, and Employment of Foreign Affiliates and U.S. Parents, by Type of Affiliate or Parent

| | Number of affiliates or parents | Total Assets (Millions of dollars) | Employment (Number of employees) |
|--|---------------------------------|------------------------------------|----------------------------------|
| Affiliate data | | | |
| 1 All affiliates | 24,566 | 825,617 | 7,343,959 |
| 2 Nonbank affiliates | 23,782 | 490,811 | 7,207,100 |
| 3 Nonbank affiliates of nonbank parents | 23,041 | 496,178 | 7,100,041 |
| 4 Majority-owned nonbank affiliates of nonbank parents ¹ | 11,000 | 262,267 | 6,808,826 |
| 5 Minority-owned nonbank affiliates of nonbank parents ² | 11,732 | 137,521 | 1,827,863 |
| 6 Nonbank affiliates of bank parents | 141 | 4,438 | 10,400 |
| 7 Bank affiliates | 584 | 235,006 | 134,960 |
| U.S. parent data | | | |
| 8 All parents | 3,548 | 2,125,479 | 19,414,963 |
| 9 Parents of nonbank affiliates ³ | 2,631 | 1,310,443 | 10,096,397 |
| 10 Nonbank parents of nonbank affiliates | 2,423 | 1,543,240 | 13,294,038 |
| 11 Nonbank parents of majority-owned nonbank affiliates ⁴ | 1,096 | 1,478,302 | 12,808,820 |
| 12 Nonbank parents of minority-owned nonbank affiliates ⁴ | 2,765 | 1,272,185 | 10,847,737 |
| 13 Bank parents of nonbank affiliates | 26 | 207,208 | 215,461 |
| 14 Parents of bank affiliates ³ | 128 | 827,799 | 731,373 |
| Addenda: | | | |
| 15 Nonbank affiliates of nonbank parents as percentage of all affiliates | 95.8 | 59.1 | 98.0 |
| 16 Nonbank parents of nonbank affiliates as percentage of all parents | 96.7 | 72.5 | 97.3 |

1. A "majority-owned nonbank affiliate" is a nonbank affiliate in which the combined direct and indirect ownership interest of all U.S. parents exceeds 50 percent and in which assets, sales, or net income were at least \$3 million in 1977.

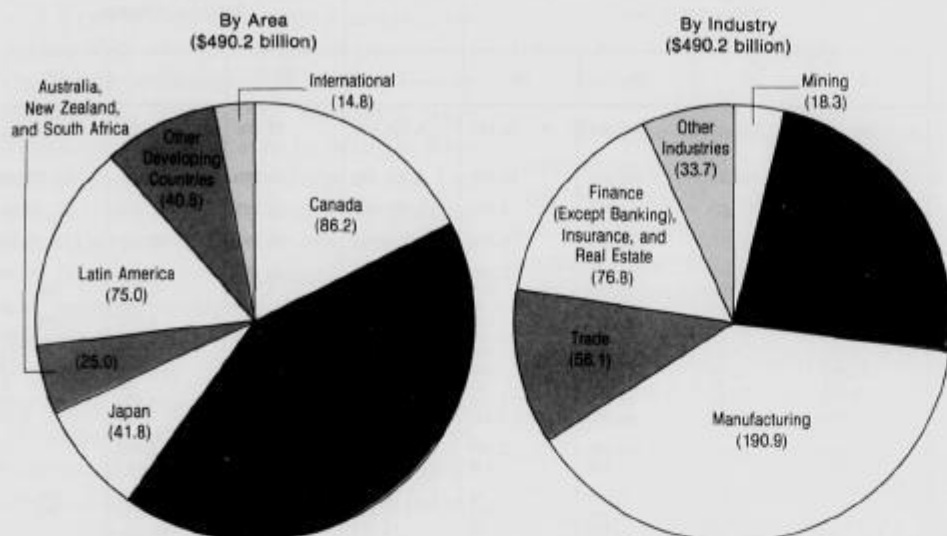
2. A "minority-owned nonbank affiliate" is any nonbank affiliate that is not a "majority-owned nonbank affiliate," as defined in footnote 1.

3. Because some parents may have both nonbank and bank affiliates, the sum of lines 9 and 14 contains duplication and does not equal the total in line 8.

4. Because some parents may have both majority- and minority-owned affiliates, the sum of lines 11 and 12 contains duplication and does not equal the total in line 10.

Total Assets of Nonbank Affiliates of Nonbank U.S. Parents, 1977, by Area and by Industry

CHART 8



U.S. Department of Commerce, Bureau of Economic Analysis

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lion); among developing countries, they were concentrated in the Middle East and Indonesia.

- Net property, plant, and equipment of nonbank affiliates was \$151.4 billion. As with total assets, it was concentrated in developed countries, particularly Canada, the United Kingdom, and Germany. By industry, 40 percent was in manufacturing, 34 percent in petroleum, 10 percent in "other industries," and 8 percent in mining.

- Majority-owned affiliates accounted for 69 percent of net property, plant, and equipment of all nonbank affiliates. Of the total, 7 percent was property and 93 percent was plant and equipment.

- For nonbank U.S. parents of nonbank affiliates, total assets were \$1,543.2 billion. Of the total, 45 percent was current assets, 31 percent was net property, plant, and equipment, 8 percent was equity investment in foreign affiliates, and 16 percent was other assets. By industry of U.S. parent, manufacturing accounted for 41 percent of total assets; finance (except banking), insurance, and real estate for 25 percent; and petroleum and "other industries" for 14 percent each. Within manufacturing, transportation equipment, chemicals,

primary and fabricated metals, and nonelectrical machinery had large totals.⁴

- Total assets of nonbank affiliates are classified by industry of U.S. parent in table 3, column 13. Affiliates of parents in manufacturing had assets of \$259.0 billion, 53 percent of total assets of all affiliates; affiliates of parents in petroleum accounted for most of the remainder. Within manufacturing, affiliates of parents in transportation equipment—mainly motor vehicles—and in chemicals had the largest totals.

- Worldwide assets of U.S.-based multinational companies (MNC's)—defined as the sum of total assets of non-

4. The distribution of U.S. parent data by industry was affected by the consolidation rules applied in the benchmark survey. In the survey, a U.S. parent was defined as a fully consolidated U.S. business enterprise. If a U.S. corporation was owned more than 50 percent by the enterprise, but was normally excluded from full consolidation in reports to stockholders—because, for example, it was a finance company, but the owning enterprise was a manufacturer, or its operations were otherwise unrelated to those of the owning enterprise—the benchmark survey nevertheless required its data to be consolidated (or aggregated, if consolidation would have caused an undue burden) with those of the enterprise. (In consolidation, positions and transactions between related entities are eliminated, whereas in aggregation they are not.) The consolidation (or aggregation) would have affected the distribution of the U.S. parent data by industry, if the corporation being consolidated (or aggregated) was in a different industry from the owning enterprise.

bank affiliates and of their nonbank U.S. parents—were \$2,033.4 billion; 76 percent were assets of U.S. parents and 24 percent were assets of foreign affiliates.⁵ When the worldwide assets of each MNC are classified by industry of U.S. parent, the affiliate shares of the industry totals so obtained were highest in petroleum (38 percent) and mining (35 percent), and lowest in finance (except banking), insurance, and real estate (10 percent) and "other industries" (11 percent). In manufacturing, which accounted for 44 percent of worldwide assets, the affiliate share was 29 percent; within manufacturing, it was highest in nonelectrical machinery (35 percent) and lowest in food, primary and fabricated metals, and "other manufacturing" (about 25 percent each).

Income statements

- Nonbank affiliates of nonbank U.S. parents had total income of \$656.1 billion, of which \$648.0 billion was sales (or gross operating revenues). Total costs and expenses were \$632.2 billion, including \$54.0 billion of foreign income taxes. Net income was \$23.9 billion.

5. When total assets of U.S. parents and affiliates are summed, assets that reflect intercompany positions and, therefore, appear on the books of both parents and affiliates are counted twice. Such duplication of assets may be eliminated by consolidation. Data needed to remove most, but not all, of the duplication are available from the benchmark survey. Thus, consolidated worldwide assets of U.S.-based MNC's can be roughly estimated at \$1,818.2 billion. This is the sum of total assets of U.S. parents (\$1,543.2 billion) and affiliates (\$490.2 billion), less: U.S. parents' receivables from, and equity investment in, foreign affiliates (\$29.6 billion and \$123.4 billion, respectively); affiliates' receivables from U.S. parents (\$11.5 billion); and affiliates' receivables from, and equity investment in, other foreign affiliates of their U.S. parents (\$27.4 billion and \$23.4 billion, respectively). It should be noted that affiliates' receivables from other foreign affiliates were reported only for majority-owned affiliates. Thus, consolidated worldwide assets are overstated to the extent that minority-owned affiliates had receivables due from other foreign affiliates of U.S. parents. Also, U.S. parent assets (and, therefore, consolidated worldwide assets) are overstated due to aggregation because, in aggregation, intercompany assets are not eliminated (see footnote 4).

Because intercompany assets appear on both U.S. parents' and foreign affiliates' books, a decision to remove such assets from one set of books or the other in order to eliminate the duplication would be essentially arbitrary. Therefore, no attempt is made here to calculate the parents' and affiliates' respective shares of consolidated worldwide assets.

Table 2.—Selected Data for Nonbank Affiliates of Nonbank U.S. Parents, 1977, by Country

| | Total assets | Net property, plant, and equipment | Sales | Net income | Employ- ment (Number of employees) | Employee compensation | U.S. exports shipped to affiliates | U.S. imports shipped by affiliates |
|---|---------------------|---|---------|---------------|---|--------------------------|--|--|
| | Millions of dollars | | | | | Millions of dollars | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| All countries..... | 436,178 | 161,413 | 647,969 | 21,944 | 2,135,036 | 76,593 | 40,787 | 41,525 |
| Developed countries..... | 353,383 | 109,633 | 499,615 | 15,536 | 4,360,536 | 63,998 | 32,532 | 21,669 |
| Canada..... | 86,223 | 31,601 | 94,578 | 3,004 | 1,064,567 | 18,217 | 17,308 | 15,641 |
| Europe..... | 204,605 | 60,571 | 279,275 | 9,416 | 3,110,471 | 36,782 | 12,535 | 5,087 |
| European Communities (9)..... | 184,650 | 49,607 | 225,000 | 7,283 | 2,685,514 | 33,282 | 10,513 | 4,328 |
| Belgium..... | 12,601 | 3,335 | 16,968 | 235 | 187,009 | 2,841 | 1,596 | (b) |
| Denmark..... | 1,947 | 589 | 3,452 | 29 | 28,317 | 354 | 88 | 23 |
| France..... | 24,315 | 6,907 | 34,747 | 443 | 478,858 | 6,707 | 1,556 | (b) |
| Germany..... | 87,796 | 11,567 | 90,435 | 2,038 | 587,486 | 9,872 | 1,932 | 899 |
| Ireland..... | 2,084 | 672 | 2,009 | 260 | 27,555 | 287 | 172 | 225 |
| Italy..... | 12,218 | 3,140 | 15,380 | 347 | 212,848 | 2,824 | 789 | 149 |
| Luxembourg..... | 1,204 | 212 | 698 | 45 | 7,548 | 183 | 85 | 85 |
| Netherlands..... | 18,426 | 6,206 | 27,308 | 1,588 | 180,053 | 2,456 | 1,429 | 195 |
| United Kingdom..... | 54,719 | 16,830 | 64,633 | 2,261 | 1,009,290 | 8,237 | 2,086 | 2,267 |
| Other Europe..... | 41,453 | 11,094 | 55,388 | 2,033 | 421,567 | 5,510 | 2,023 | 739 |
| Austria..... | 2,542 | 666 | 3,180 | 155 | 22,120 | 513 | 85 | 16 |
| Greece..... | 849 | 227 | 1,486 | 34 | 18,601 | 129 | 57 | (b) |
| Norway..... | 5,784 | 3,731 | 3,945 | 341 | 21,532 | 443 | 133 | (b) |
| Portugal..... | 478 | 150 | 803 | 35 | 19,372 | 120 | (b) | 11 |
| Spain..... | 11,898 | 4,679 | 12,293 | 228 | 215,721 | 2,762 | 661 | (b) |
| Sweden..... | 4,044 | 1,201 | 4,021 | 49 | 42,884 | 837 | 289 | 32 |
| Switzerland..... | 14,179 | 654 | 21,373 | 1,183 | 47,109 | 1,022 | 780 | 308 |
| Turkey..... | 674 | 110 | 1,079 | — | 14,556 | 136 | (b) | 3 |
| Other..... | 1,117 | 226 | 1,384 | 86 | 10,553 | 127 | 54 | (b) |
| Japan..... | 41,776 | 8,069 | 51,825 | 709 | 336,123 | 4,534 | 1,215 | 1,183 |
| Australia, New Zealand, and South Africa..... | 24,979 | 0,172 | 25,079 | 1,216 | 418,520 | 4,775 | 1,069 | 160 |
| Australia..... | 18,226 | 6,609 | 15,125 | 830 | 280,344 | 3,327 | 1,204 | (b) |
| New Zealand..... | 1,023 | 266 | 1,309 | 46 | 21,245 | 189 | 61 | 2 |
| South Africa..... | 5,731 | 2,068 | 8,483 | 339 | 136,841 | 688 | 371 | (b) |
| Developing countries..... | 184,822 | 32,361 | 163,219 | 2,408 | 2,175,096 | 12,595 | 8,142 | 19,490 |
| Latin America..... | 75,041 | 18,348 | 73,287 | 4,078 | 1,347,036 | 7,845 | 4,790 | 5,824 |
| South America..... | 31,717 | 10,873 | 35,331 | 1,783 | 771,000 | 4,082 | 2,732 | 1,011 |
| Argentina..... | 2,659 | 896 | 2,579 | 106 | 106,039 | 572 | 206 | 12 |
| Brazil..... | 17,331 | 6,237 | 19,340 | 782 | 435,681 | 2,889 | 797 | 416 |
| Chile..... | 397 | 154 | 600 | 30 | 10,121 | 70 | 58 | 1 |
| Colombia..... | 1,914 | 574 | 2,419 | 128 | 81,279 | 341 | 254 | (b) |
| Ecuador..... | 483 | 197 | 629 | 41 | 0,622 | 40 | 58 | (b) |
| Peru..... | 1,725 | 1,199 | 1,021 | 34 | 20,334 | 137 | 95 | (b) |
| Venezuela..... | 5,135 | 1,272 | 6,408 | 475 | 161,241 | 923 | 1,348 | (b) |
| Other..... | 794 | 381 | 810 | 24 | 18,716 | 109 | 82 | (b) |
| Central America..... | 14,831 | 4,345 | 15,653 | 916 | 480,874 | 3,372 | 1,628 | 1,211 |
| Mexico..... | 0,516 | 3,415 | 370,110 | 280 | 1,818 | 1,415 | 1,200 | 907 |
| Panama..... | 3,482 | 288 | 1,081 | 442 | 20,828 | 164 | 132 | (b) |
| Other..... | 1,334 | 633 | 2,589 | 85 | 80,431 | 286 | 186 | (b) |
| Other Western Hemisphere..... | 28,403 | 3,130 | 22,873 | 1,278 | 96,662 | 451 | 289 | 3,612 |
| Bahamas..... | 1,074 | 447 | 2,425 | 55 | 7,596 | 68 | 32 | 1,191 |
| Bermuda..... | 17,343 | 228 | 14,414 | 900 | 2,481 | 31 | 19 | 22 |
| Netherlands Antilles..... | 5,473 | 439 | 2,760 | 81 | 4,500 | 48 | 30 | (b) |
| Trinidad and Tobago..... | 1,483 | 803 | 1,304 | 126 | 15,707 | 118 | 53 | (b) |
| Other..... | 2,322 | 1,121 | 2,478 | 145 | 65,319 | 215 | 177 | 514 |
| Other Africa..... | 8,716 | 4,079 | 16,682 | 587 | 161,129 | 861 | 418 | 4,723 |
| Botswana..... | 1,751 | 1,176 | 6,768 | 221 | 24,934 | 280 | 124 | 1,362 |
| Egypt..... | 1,092 | 661 | 889 | 77 | 5,705 | 44 | 32 | (b) |
| Libya..... | 1,097 | 348 | 5,088 | 189 | 5,032 | 82 | 47 | 1,749 |
| Other..... | 582 | 167 | 850 | — | 15,197 | 153 | 45 | (b) |
| Sub-Saharan..... | 8,965 | 2,803 | 9,104 | 385 | 125,185 | 881 | 204 | 2,851 |
| Liberia..... | 0,028 | 197 | 288 | 39 | 29,756 | 64 | (b) | (b) |
| Nigeria..... | 1,783 | 014 | 4,808 | 233 | 17,907 | 110 | 89 | 2,335 |
| Other..... | 4,250 | 2,062 | 6,828 | 93 | 87,523 | 407 | (b) | (b) |
| Middle East..... | 14,576 | 4,999 | 66,007 | 2,346 | 125,317 | 1,915 | 1,113 | 2,915 |
| Israel..... | 1,128 | 279 | 606 | 84 | 21,155 | 198 | (b) | (b) |
| OPEC..... | 13,448 | 4,720 | 65,341 | 2,162 | 104,162 | 1,558 | 900 | 2,545 |
| Iran..... | 9,400 | 1,254 | 11,675 | 380 | 86,047 | 870 | 141 | 2,380 |
| Other..... | 8,048 | 3,057 | 51,664 | 1,772 | 66,820 | 1,188 | 849 | 478 |
| Other..... | 1,040 | 406 | 1,632 | 30 | 12,285 | 159 | (b) | (b) |
| Other Asia and Pacific..... | 10,480 | 5,325 | 26,504 | 1,647 | 528,514 | 1,487 | 1,852 | 5,929 |
| Hong Kong..... | 2,631 | 340 | 5,301 | 303 | 44,847 | 213 | 360 | 1,917 |
| India..... | 1,802 | 824 | 2,287 | 80 | 14,822 | 184 | 23 | (b) |
| Indonesia..... | 3,085 | 1,461 | 5,606 | 716 | 32,453 | 294 | 137 | 1,583 |
| Malaysia..... | 378 | 375 | 1,245 | 69 | 35,060 | 91 | 243 | (b) |
| Philippines..... | 2,050 | 498 | 3,580 | 95 | 111,708 | 182 | 277 | 191 |
| Singapore..... | 1,549 | 473 | 2,554 | 159 | 44,184 | 178 | 385 | 725 |
| South Korea..... | 2,293 | 683 | 3,511 | 87 | 31,065 | 148 | 160 | (b) |
| Taiwan..... | 1,000 | 383 | 1,354 | 103 | 68,048 | 140 | 181 | 536 |
| Thailand..... | 457 | 282 | 1,870 | 54 | 27,337 | 89 | 82 | (b) |
| Other..... | 536 | 182 | 707 | — | 18,324 | 43 | 35 | 10 |
| International..... | 14,733 | 8,336 | 16,734 | 61 | 40,364 | 486 | 133 | 36 |
| Addendum: OPEC..... | 26,534 | 8,304 | 64,879 | 3,800 | 394,937 | 3,143 | 2,808 | 5,221 |

(b) Suppressed to avoid disclosure of data for a specific person.

• Nonbank affiliates in developed countries accounted for \$449.0 billion, or 69 percent, of total affiliate sales. As with total assets, affiliates in Canada, the United Kingdom, Germany, Japan, and France had the largest shares; together they accounted for 68 percent of the developed countries' total. Sales by affiliates in developing countries were \$183.2 billion; affiliates in Middle East countries that are members of the Organization of Petroleum Exporting Countries accounted for over one-third.

• By industry of affiliate, petroleum and manufacturing each accounted for just under 40 percent of total sales. Trade—mainly wholesale—accounted for most of the remainder. Affiliates in developed countries accounted for 83 percent of sales by manufacturing affiliates and for 47 percent of sales by petroleum affiliates.

• Sales by majority-owned affiliates were \$607.0 billion, or 78 percent of sales by all nonbank affiliates. Of the total, one-third was sales to affiliated customers (i.e., to the U.S. parent or to other foreign affiliates of the U.S. parent). By destination, 62 percent of majority-owned affiliates' sales were local (i.e., charged to customers in the affiliate's country of location), 18 percent were charged to U.S. customers, and 20 percent were charged to customers in third countries. More than three-fourths of sales to U.S. customers were by petroleum affiliates; these sales largely reflected crude petroleum that affiliates engaged in petroleum extraction charged to U.S. parents but shipped to affiliates in other countries. (Actual shipments of goods to U.S. parents by petroleum affiliates were much smaller than sales charged.)

• Majority-owned manufacturing affiliates had sales of \$194.2 billion; 69 percent were local, 9 percent were to U.S. customers, and 22 percent were to customers in third countries. More than one-half of the sales to U.S. customers were by affiliates in the motor vehicles industry, mainly in Canada.

• Nonbank U.S. parents of nonbank affiliates had total income of \$1,448.0 billion, of which sales (or gross operating revenues) were \$1,412.3 billion and

equity in net income of foreign affiliates was \$18.2 billion. Total costs and expenses were \$1,366.6 billion, including U.S. income taxes of \$48.3 billion. Net income was \$81.4 billion.

Employment and employee compensation

• Nonbank affiliates of nonbank U.S. parents employed 7.2 million workers, and paid employee compensation of \$76.6 billion.⁷ Affiliates in developed countries accounted for 69 percent (5.0 million) of total employment. Employment was highest for affiliates in Canada and the United Kingdom (1.1 million each), Germany (0.6 million), France (0.5 million), and Japan (0.4 million). Affiliates in developing countries employed 2.2 million workers. Of the total, 1.3 million were in Latin America—mainly in Brazil, Mexico, Argentina, and Venezuela—and 0.5 million were in "other Asia and Pacific"—mainly in the Philippines, India, and Taiwan.

• By industry of affiliate, more than two-thirds of total employment was in manufacturing, 14 percent in trade, and 10 percent in "other industries." Affiliates in petroleum, which accounted for 28 percent of total assets of all nonbank affiliates, accounted for only 5 percent of total employment. Within manufacturing, the highest employment was in "other manufacturing" (1.1 million, mainly in rubber, instruments, paper, and textiles), transportation equipment (0.9 million), and electric and electronic equipment (0.8 million).

• Majority-owned affiliates employed 5.4 million workers, 75 percent of the total for all nonbank affiliates. Of these, 63,000 were research and development (R&D) scientists and engineers; they were concentrated in manufacturing affiliates in Europe, mainly in the United Kingdom, Germany, and France. Less than 1 percent (40,000) of majority-owned affiliates' workers were U.S. citizens.

d. For both affiliates and U.S. parents, employment is average full-time and part-time employment for the year; employee compensation is the sum of wages and salaries and of employer expenditures for employee benefit plans.

• Employee compensation paid by majority-owned affiliates was \$59.5 billion, or 78 percent of that paid by all nonbank affiliates; \$48.6 billion was wages and salaries and the remainder was employer expenditures for employee benefit plans.

• Majority-owned affiliates in manufacturing employed 3.8 million workers, of which 2.4 million were production workers and 1.5 million were nonproduction workers. Total employee compensation paid by these affiliates was \$40.4 billion; \$21.7 billion was paid to production workers and \$18.8 billion to nonproduction workers. For production workers, the average compensation rate was \$4.90 per hour worldwide. In developed countries, where almost three-fourths of these workers were employed, the average compensation rate was \$6.30 per hour; in developing countries, it was \$1.70 per hour.⁷

• Nonbank U.S. parents of nonbank affiliates employed 18.9 million workers, 28 percent of employment by all nonbank U.S. businesses.⁸ Of the total, 418,000 were R&D scientists and engineers. U.S. parents paid employee compensation of \$324.1 billion—\$266.1 billion in wages and salaries and \$57.9 billion in employee benefit plans. Parents in manufacturing accounted for 62 percent of total employment, those in "other industries" (mainly in transportation, communication, and public utilities) for 15 percent, and those in trade for 13 percent.

• Of the 11.8 million employees of U.S. parents in manufacturing, 7.3 million were production workers and 4.5 million were nonproduction workers. These parents paid employee compensation of \$215.8 billion—\$120.2 billion to production workers and \$95.7 billion

7. Compensation rates in U.S. dollars indicate comparative levels of employer labor costs. However, because compensation includes more than current labor income of workers (e.g., it includes employer contributions to health and retirement plans), and because prices of goods and services vary greatly among countries, they do not indicate relative living standards of workers.

8. Data for all nonbank U.S. businesses are from U.S. Department of Commerce, Bureau of Economic Analysis, *National Income and Product Tables, 1976-78*, forthcoming, table 8.7. To improve comparability, data covering private households, government and government enterprises, and banking were excluded from the total for all domestic industries shown in table 0.7.

Table 3.—Selected Data for Nonbank Affiliates of Nonbank U.S. Parents, and for Their U.S. Parents, 1977, by Industry

| | By industry of affiliate—Affiliate data | | | | | | | | By industry of U.S. parent | | | | | |
|---|---|------------------------------------|---------|------------|----------------------------------|------------------------------------|------------------------------------|---------------------|----------------------------------|--------------------------------------|--------------------------------------|----------------|----------------------------------|-----------|
| | Total assets | Net property, plant, and equipment | Sales | Net income | Employment (Number of employees) | U.S. exports shipped to affiliates | U.S. imports shipped by affiliates | U.S. parent data | | | | Affiliate data | | |
| | | | | | | | | Total assets | Employment (Number of employees) | U.S. exports shipped by U.S. parents | U.S. imports shipped to U.S. parents | Total assets | Employment (Number of employees) | |
| | | | | | | | | | | | | | | |
| Millions of dollars | | | | | Millions of dollars | | | Millions of dollars | | | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| All industries..... | 480,178 | 151,413 | 647,969 | 21,944 | 7,196,691 | 74,593 | 46,787 | 41,525 | 1,543,240 | 13,654,634 | 34,458 | 77,872 | 490,178 | 7,196,691 |
| Mining..... | 15,280 | 12,043 | 0,611 | 815 | 187,810 | 1,328 | 229 | 1,440 | 7,439 | 65,342 | (D) | 104 | 4,022 | 11,142 |
| Metal mining..... | 15,280 | 12,043 | 0,611 | 815 | 187,810 | 1,328 | 229 | 1,440 | 7,439 | 65,342 | (D) | (D) | 2,305 | 30,572 |
| Iron..... | 5,453 | 4,007 | 2,164 | 218 | 36,894 | 568 | 60 | 315 | (D) | (D) | (D) | (D) | (D) | (D) |
| Copper, lead, zinc, gold, and silver..... | 5,771 | 3,869 | 2,788 | -3 | 73,520 | 580 | 40 | 105 | (D) | (D) | (D) | (D) | (D) | (D) |
| Quartzite, other ores, and services..... | 4,056 | 3,653 | 2,720 | 244 | 51,386 | 420 | 75 | 647 | 50 | 100 | (D) | (D) | (D) | (D) |
| Coal and other nonmetallic minerals..... | 2,486 | 1,315 | 1,040 | 357 | 10,485 | 281 | 45 | 202 | 4,585 | 43,546 | (D) | 0 | 1,037 | 14,570 |
| Petroleum..... | 114,900 | 53,009 | 237,319 | 0,412 | 309,905 | 6,054 | 2,036 | 17,831 | 218,758 | 800,511 | 4,820 | 34,442 | 138,780 | 424,163 |
| Oil and gas extraction..... | 30,448 | 18,708 | 30,162 | 9,561 | 90,207 | 1,431 | 513 | 5,688 | 12,448 | 68,004 | 408 | (D) | 3,029 | 16,183 |
| Crude petroleum (no refining) and gas..... | 26,020 | 16,620 | 27,800 | 4,178 | 45,702 | 722 | 240 | 6,840 | 0,471 | 37,340 | (D) | (D) | 3,251 | 1,085 |
| Oil and gas field services..... | 4,510 | 2,176 | 3,165 | 388 | 51,505 | 700 | 304 | 2,067 | 31,094 | (D) | (D) | (D) | 371 | 7,118 |
| Petroleum and coal products..... | 50,247 | 21,231 | 112,877 | 2,070 | 185,013 | 3,318 | 018 | (D) | 181,603 | 717,085 | (D) | (D) | 118,006 | 301,700 |
| Integrated refining and extraction..... | 23,234 | 11,823 | 68,080 | 1,892 | 108,088 | 3,053 | 078 | 1,302 | 162,455 | 709,020 | (D) | 30,508 | 117,910 | (D) |
| Refining without extraction..... | 20,304 | 9,112 | 43,022 | 111 | 72,337 | 1,267 | 222 | 1,347 | (D) | (D) | 0 | (D) | (D) | (D) |
| Petroleum and coal products, nec..... | 440 | 296 | 107 | 07 | 6,096 | 43 | 18 | (D) | (D) | (D) | (D) | 1 | (D) | 530 |
| Petroleum wholesale trade..... | 19,206 | 2,000 | 16,867 | 811 | 55,004 | 820 | 514 | 7,550 | 11,572 | 37,638 | (D) | 2,537 | 10,941 | 38,277 |
| Other..... | 14,500 | 0,480 | 16,820 | 170 | 32,181 | 453 | 00 | (D) | 13,134 | 46,224 | 25 | (D) | 2,900 | 8,833 |
| Manufacturing..... | 100,808 | 60,503 | 245,325 | 8,787 | 4,848,057 | 50,165 | 28,104 | 20,011 | 683,410 | 11,774,031 | 67,454 | 30,587 | 258,031 | 5,822,682 |
| Food and kindred products..... | 13,170 | 4,453 | 25,804 | 850 | 430,210 | 3,540 | 1,255 | 018 | 18,340 | 1,016,703 | 2,758 | (D) | 16,736 | 485,960 |
| Grain mill and bakery products..... | 3,058 | 1,106 | 6,041 | 101 | 60,050 | 880 | 209 | 20 | 6,182 | 398,016 | (D) | (D) | 2,427 | 77,069 |
| Beverages..... | 3,000 | 946 | 3,413 | 238 | 56,108 | 478 | 40 | 175 | 7,847 | 122,782 | (D) | 237 | 2,987 | 60,777 |
| Other..... | 8,057 | 2,400 | 16,350 | 427 | 289,998 | 2,190 | 800 | 423 | 22,329 | 284,904 | (D) | (D) | 11,312 | 345,214 |
| Chemicals and allied products..... | 38,782 | 15,345 | 43,326 | 1,021 | 614,096 | 6,763 | 3,402 | 827 | 97,410 | 1,207,075 | 5,212 | 3,857 | 47,143 | 747,114 |
| Industrial chemicals and synthetics..... | 10,845 | 6,337 | 20,103 | 377 | 223,000 | 2,818 | 1,788 | 309 | 54,988 | 852,827 | 5,106 | 1,153 | 27,388 | 344,221 |
| Drugs..... | 7,101 | 1,910 | 2,090 | 565 | 178,257 | 1,041 | 772 | 121 | 20,328 | 253,902 | 1,421 | 270 | 10,902 | 225,455 |
| Soap, cleaners, and toilet goods..... | 4,006 | 1,608 | 1,815 | 351 | 117,030 | 1,235 | 327 | (D) | 12,515 | 187,262 | 510 | (D) | 8,447 | 134,743 |
| Agricultural chemicals..... | 2,827 | 1,472 | 2,238 | 100 | 27,794 | 255 | 222 | (D) | 4,730 | 21,277 | (D) | (D) | 1,460 | 5,708 |
| Other..... | 4,455 | 1,264 | 5,600 | 220 | 66,496 | 814 | 383 | 03 | 8,090 | 112,306 | (D) | 119 | 1,936 | 30,777 |
| Primary and fabricated metals..... | 21,400 | 7,777 | 20,035 | 650 | 308,241 | 4,310 | 1,114 | 1,108 | 97,073 | 1,484,235 | 4,335 | 3,313 | 26,881 | 457,078 |
| Primary metal industries..... | 11,021 | 4,052 | 8,857 | 277 | 171,915 | 1,820 | 612 | 518 | 64,318 | 800,425 | 2,713 | 2,425 | 28,818 | 482,619 |
| Ferrous..... | 4,320 | 1,832 | 3,153 | 95 | 67,011 | 700 | 101 | 109 | 41,180 | 732,057 | 1,305 | 1,174 | 9,646 | 122,078 |
| Nonferrous..... | 7,502 | 3,221 | 8,705 | 182 | 104,904 | 1,117 | 411 | 243 | 23,128 | 287,008 | 1,808 | 1,251 | 13,204 | 109,290 |
| Fabricated metal products..... | 0,485 | 2,724 | 10,177 | 373 | 339,236 | 2,493 | 003 | 050 | 22,760 | 408,011 | 1,803 | 787 | 7,142 | 174,070 |
| Machinery, except electrical..... | 28,452 | 8,009 | 33,048 | 2,100 | 877,374 | 8,650 | 3,406 | 1,381 | 62,777 | 1,046,343 | 12,040 | 3,218 | 44,182 | 705,544 |
| Farm and garden machinery and equipment..... | 2,220 | 842 | 3,440 | 95 | 59,447 | 658 | 310 | 234 | 8,278 | 10,683 | 915 | (D) | 7,581 | 38,341 |
| Construction and related machinery..... | 6,110 | 1,307 | 7,189 | 130 | 151,972 | 1,883 | 780 | 284 | 17,040 | 312,007 | 4,328 | 430 | 7,331 | 145,000 |
| Office and computing machinery..... | 12,608 | 4,032 | 14,110 | 1,594 | 300,488 | 4,187 | 1,473 | 372 | 52,629 | 502,823 | 8,308 | (D) | 23,521 | 357,315 |
| Other..... | 7,335 | 1,485 | 8,315 | 267 | 200,287 | 2,122 | 661 | 343 | 20,804 | 639,940 | 3,805 | 422 | 10,860 | 234,328 |
| Electric and electronic equipment..... | 17,118 | 8,800 | 22,328 | 905 | 738,324 | 0,353 | 2,611 | 2,757 | 40,740 | 1,274,000 | 7,748 | 3,420 | 21,110 | 666,305 |
| Household appliances..... | 2,628 | 405 | 3,982 | 99 | 117,020 | 1,192 | 380 | 101 | 8,842 | 189,644 | 030 | (D) | 2,588 | 111,912 |
| Radio, TV, and communication equipment..... | 6,418 | 1,120 | 7,594 | 314 | 240,800 | 2,587 | 413 | 000 | 12,038 | 320,321 | 1,708 | (D) | 2,552 | 89,664 |
| Electronic components and accessories..... | 3,186 | 720 | 5,115 | 204 | 210,038 | 1,102 | 1,331 | 1,828 | 4,096 | 137,109 | 1,444 | 025 | 1,696 | 106,010 |
| Other..... | 4,886 | 1,240 | 5,656 | 202 | 170,383 | 1,518 | 604 | 132 | 35,323 | 327,018 | 8,870 | 1,300 | 14,275 | 900,218 |
| Transportation equipment..... | 32,108 | 8,111 | 37,789 | 905 | 900,038 | 10,018 | 12,126 | 0,004 | 132,478 | 2,289,003 | 21,010 | (D) | 53,723 | 1,083,144 |
| Motor vehicles and equipment..... | 29,547 | 7,080 | 34,894 | 1,402 | 828,041 | 8,081 | 11,866 | 0,303 | 25,643 | 424,536 | 13,290 | (D) | 43,642 | 843,063 |
| Other..... | 2,561 | 431 | 2,905 | -107 | 71,997 | 1,000 | 171 | 241 | 20,096 | 832,146 | 7,720 | 1,188 | 10,081 | 230,180 |
| Other manufacturing..... | 38,936 | 13,210 | 44,300 | 1,649 | 1,103,068 | 10,553 | 4,101 | 3,256 | 138,571 | 2,056,980 | 10,100 | 4,185 | 46,145 | 1,129,547 |
| Tobacco manufactures..... | 2,703 | 2,114 | 62 | 51,764 | 423 | 231 | 20 | 11,220 | 97,053 | (D) | (D) | (D) | 78,006 | (D) |
| Textile products and apparel..... | 3,234 | 1,032 | 4,004 | 77 | 142,080 | 808 | 248 | 114 | 21,410 | 667,733 | 657 | (D) | 6,556 | 187,535 |
| Lumber, wood, furniture, and fixtures..... | 1,707 | 714 | 2,285 | 94 | 67,770 | 021 | 74 | 403 | 18,222 | 308,438 | 1,084 | 381 | 2,080 | 58,492 |
| Paper and allied products..... | 7,574 | 3,843 | 8,101 | 289 | 101,450 | 1,904 | 603 | 1,634 | 22,207 | 341,690 | 1,445 | 507 | 7,891 | 164,181 |
| Printing and publishing..... | 1,181 | 170 | 1,357 | 06 | 33,071 | 332 | 70 | 37 | 11,322 | 353,418 | 204 | 350 | 2,081 | 47,040 |
| Rubber products..... | 0,279 | 2,394 | 7,481 | 30 | 139,074 | 1,747 | 409 | 247 | 12,061 | 903,603 | 858 | 558 | 7,384 | 232,858 |
| Miscellaneous plastics products..... | 1,302 | 448 | 1,585 | 81 | 38,894 | 353 | (D) | 14 | 2,677 | 67,308 | 153 | (D) | 7,000 | 18,380 |
| Glass products..... | 2,009 | 1,033 | 2,828 | 93 | 68,106 | 710 | 107 | 81 | 5,033 | 131,000 | 348 | (D) | 2,800 | 69,099 |
| Stone, clay, cement, and concrete..... | 3,343 | 1,329 | 3,183 | 148 | 82,802 | 824 | 171 | 138 | 10,004 | 170,620 | 286 | (D) | 3,066 | 70,731 |
| Instruments and related products..... | 5,016 | 1,218 | 7,192 | 279 | 170,720 | 1,044 | 1,179 | 201 | 18,001 | 414,689 | 3,124 | 042 | 7,288 | 181,323 |
| Other..... | 2,030 | 048 | 3,013 | 172 | 112,481 | 840 | (D) | 300 | 7,228 | 250,373 | (D) | 537 | 1,817 | 48,573 |
| Trade..... | 50,101 | 8,965 | 102,097 | 2,047 | 800,312 | 10,144 | 0,401 | 1,808 | 84,200 | 2,471,662 | 18,020 | 11,286 | 18,083 | 454,127 |
| Wholesale trade..... | 40,508 | 7,165 | 84,733 | 2,038 | 804,815 | 7,290 | 0,403 | 1,783 | 37,200 | 270,983 | 17,773 | 8,980 | 10,067 | 108,051 |
| Durable goods..... | 29,572 | 5,069 | 65,129 | 1,080 | 341,036 | 4,007 | 0,403 | 1,066 | 13,387 | 129,579 | 3,050 | 6,520 | 6,016 | 48,616 |
| Nondurable goods..... | 17,001 | 2,091 | 30,504 | 859 | 223,680 | 2,983 | 0,000 | 000 | 13,820 | 141,114 | 14,722 | 2,420 | 8,394 | 29,425 |
| Retail trade..... | 0,593 | 2,796 | 18,203 | 400 | 428,007 | 2,804 | 639 | 28 | 37,062 | 2,200,649 | 248 | 2,270 | 8,910 | 245,097 |
| Finance (except banks), insurance, and real estate..... | 76,775 | 2,173 | 14,740 | 3,126 | 83,745 | 1,210 | 38 | (D) | 378,147 | 882,094 | (D) | 220 | 44,117 | 430,119 |
| Finance, except banking..... | 39,077 | 248 | 3,083 | 703 | 24,273 | 348 | 4 | 0 | 51,825 | 165,452 | 341 | 78 | 8,023 | 28,838 |
| Insurance..... | 24,022 | 923 | 10,092 | 630 | 61,020 | 776 | (D) | 1 | 320,081 | 804,844 | (D) | 128 | 33,043 | 307,643 |
| Real estate..... | 1,180 | 668 | 115 | -13 | 1,827 | 13 | (D) | 0 | 2,103 | 8,107 | (D) | (D) | 249 | 1,038 |
| Holding companies..... | 18,590 | 235 | 707 | 1,004 | 8,026 | 78 | (D) | 0 | 5,030 | 15,541 | 18 | (D) | 3,340 | 47,319 |
| Individuals, estates, and trusts..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other industries..... | 33,748 | 14,500 | 38,845 | 1,057 | 705, | | | | | | | | | |

(D) Suppressed to avoid disclosure of data for a specific person.

1. Consists of U.S. parents that are individuals, estates, or trusts directly holding investments. These U.S. parents did not have to report total assets, employment, and U.S. trade with unaffiliated foreigners (which is part of columns 11 and 12), in the 1977 benchmark survey.

No foreign affiliates are classified in this category; however, when affiliate data are classified by industry of U.S. parent, the data for affiliates of U.S. parents that are individuals, estates, or trusts are shown in this category.

to nonproduction workers. For production workers, the average compensation rate was \$8.60 per hour.

- In table 3, column 14, employment of nonbank affiliates is disaggregated by industry of U.S. parent. Affiliates of U.S. parents in manufacturing accounted for 74 percent of total affiliate employment; 7 percent of the total was accounted for by affiliates of parents in "other industries" and 6 percent each by affiliates of parents in petroleum; trade; and finance (except banking), insurance, and real estate.

- U.S.-based MNC's—parents and affiliates combined—employed 26.1 million workers worldwide, of which 28 percent were employed by affiliates. By industry of U.S. parent, the affiliate shares ranged from 39 percent in mining to 16 percent each in trade and "other industries." In manufacturing, which accounted for about two-thirds of worldwide MNC employment, the affiliate share was 31 percent; within manufacturing, the affiliate shares ranged from 38 percent in chemicals to 24 percent in primary and fabricated metals.

U.S. merchandise trade

- U.S. exports shipped to nonbank affiliates of nonbank U.S. parents were \$40.8 billion, of which \$32.4 billion, or nearly 80 percent, were from U.S. parents; the remainder were from unaffiliated U.S. persons. By area of destination, 42 percent of the exports were shipped to Canada, 30 percent to Europe, mainly the European Communities (9), and 12 percent to Latin America. By industry of affiliate, 69 percent of the exports were to manufacturing, 23 percent to trade, and 5 percent to petroleum affiliates.

- Of exports to all nonbank affiliates, 88 percent were to majority-owned affiliates. The distributions of exports to these affiliates by area of destination and by industry of affiliate were very similar to those for exports to all nonbank affiliates.

- In the benchmark survey, U.S. exports to majority-owned affiliates were disaggregated by broad product categories as well as by industry of affiliate.

By product, manufactured goods accounted for 88 percent of total exports to majority-owned affiliates; exports of road motor vehicles accounted for 30 percent, machinery for 29 percent, and chemicals for 11 percent of the total.⁹ Most of the exports of road motor vehicles were to Canadian affiliates.

- By intended use, 57 percent of exports to majority-owned affiliates were for resale without further manufacture, 4 percent were capital equipment for use by affiliates, and 38 percent were for other purposes, mainly further processing or assembly by affiliates.

- U.S. exports shipped by nonbank U.S. parents to all foreigners were \$93.5 billion, of which \$32.4 billion were to foreign affiliates and \$61.1 billion to unaffiliated foreigners. By area of destination, 31 percent were shipped to Europe, 20 percent to Canada, 13 percent to Latin America, and 9 percent each to Japan and the Middle East. By industry of U.S. parent, 72 percent of the exports were shipped by manufacturing, 19 percent by trade, and 5 percent by petroleum parents.

- Total MNC-associated exports (i.e., exports associated with both nonbank affiliates and their nonbank U.S. parents) were \$101.8 billion. This total is the sum of (1) U.S. exports shipped to the affiliates by both U.S. parents and other U.S. persons of \$40.8 billion, and (2) U.S. exports shipped by the U.S. parents to unaffiliated foreigners of \$61.1 billion. MNC-associated exports accounted for 84 percent of total U.S. exports.¹⁰

- U.S. imports shipped by nonbank affiliates of nonbank U.S. parents were \$41.5 billion, of which \$32.6 billion, or 79 percent, were shipped to U.S. parents and the remainder to unaffiliated U.S.

persons. By area of origin, 38 percent of the imports were from Canada, 12 percent from Europe, 14 percent each from Latin America and "other Asia and Pacific," and 11 percent from "other Africa." By industry of affiliate, 47 percent of the imports were from manufacturing affiliates, mainly in developed countries, and 43 percent from petroleum affiliates, mainly in developing countries.

- U.S. imports from majority-owned affiliates were \$38.0 billion. They accounted for 92 percent of imports from all nonbank affiliates; their distributions by area of origin and by industry of affiliate were very similar to those for all nonbank affiliates.

- By product, 48 percent of U.S. imports from majority-owned affiliates were manufactured goods, of which 22 percent were road motor vehicles and 13 percent machinery.¹¹ Imports of mineral fuels, largely petroleum, accounted for 44 percent of the total. About three-fourths of the imports from majority-owned affiliates were products of the affiliates themselves (i.e., were grown, extracted, processed, assembled, or manufactured by the affiliates); about one-fourth were products of others.

- U.S. imports shipped to nonbank U.S. parents by all foreigners were \$77.9 billion, of which \$32.6 billion were from foreign affiliates and \$45.2 billion from unaffiliated foreigners. Data on parent imports from unaffiliated foreigners by area of origin were not collected in the benchmark survey; thus, data on total U.S. parent imports by area are not available. By industry of U.S. parent, 44 percent of the imports were shipped to petroleum, 39 percent to manufacturing, and 14 percent to trade parents.

- Total MNC-associated imports were \$80.8 billion. This total is the sum of (1) U.S. imports shipped by the affiliates to both their U.S. parents and other U.S. persons of \$41.5 billion, and

9. In the benchmark survey, exports of road motor vehicles were overstated (and exports of other types of goods understated), largely because some reporters erroneously classified certain automotive parts and accessories in road motor vehicles that, based on the Standard International Trade Classification, should have been classified instead in other categories.

10. Data for total U.S. exports are on a Census basis, i.e., U.S. port of exportation, as published in Anthony J. DiLallo, "U.S. International Transactions, First Quarter 1980," *SURVEY OF CURRENT BUSINESS* (June 1980), table 3, page 42. They exclude military grant shipments.

11. In the benchmark survey, U.S. imports of road motor vehicles may have been overstated (and imports of other types of goods understated) by reporters' inclusion of certain automotive parts and accessories in road motor vehicles that should have been included instead in other categories (see also footnote 9).

Table 4.—Total Assets of Nonbank Affiliates of Nonbank U.S. Parents, 1977, Country by Industry

(Millions of dollars)

| | All industries | Mining | Petroleum | Manufacturing | | | | | | | | Trade | Finance (except banking, insurance, and real estate) | Other industries |
|---|----------------|--------|-----------|---------------|---------------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------------|--------------------------|---------------------|--------|--|------------------|
| | | | | Total | Food and kindred products | Chemicals and allied products | Primary and fabricated metals | Machinery, except electrical | Electric and electronic equipment | Transportation equipment | Other manufacturing | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| All countries..... | 490,178 | 18,266 | 184,408 | 138,868 | 14,178 | 88,763 | 21,406 | 28,262 | 17,118 | 32,188 | 28,928 | 58,801 | 74,778 | 33,748 |
| Developed countries..... | 359,583 | 12,244 | 76,238 | 182,520 | 10,889 | 28,227 | 16,897 | 25,246 | 13,845 | 28,669 | 31,387 | 47,812 | 49,474 | 21,194 |
| Canada..... | 88,923 | 6,848 | 15,109 | 30,706 | 2,617 | 5,460 | 3,428 | 2,474 | 2,104 | 5,516 | 2,097 | 8,363 | 18,613 | 4,704 |
| Europe..... | 206,604 | 224 | 41,914 | 97,540 | 6,447 | 17,603 | 11,477 | 10,512 | 9,481 | 18,376 | 17,474 | 27,643 | 28,583 | 12,908 |
| European Communities (a)..... | 184,050 | 88 | 31,304 | 84,834 | 5,867 | 15,120 | 9,548 | 8,391 | 7,399 | 14,019 | 14,982 | 17,245 | 19,630 | 11,588 |
| Belgium..... | 12,001 | (D) | 1,107 | 5,502 | 271 | 2,508 | 287 | 1,207 | 1,207 | (D) | (D) | 5,070 | 1,380 | (D) |
| Denmark..... | 1,847 | (D) | (D) | 263 | 98 | (D) | (D) | 151 | (D) | 2 | 75 | 528 | 1,154 | (D) |
| France..... | 24,315 | (D) | (D) | 15,516 | 915 | 2,107 | 3,082 | 6,032 | 1,043 | 2,025 | 2,475 | 2,355 | 1,176 | (D) |
| Germany..... | 27,790 | (D) | 7,030 | 21,454 | 953 | 3,583 | 3,528 | 4,730 | 1,880 | 4,500 | 2,821 | 2,043 | 2,810 | (D) |
| Ireland..... | 2,084 | 5 | 336 | 2,417 | 123 | 420 | 56 | 168 | 83 | 28 | 507 | 108 | 151 | 19 |
| Italy..... | 12,118 | 0 | 2,381 | 7,456 | 640 | 1,445 | 477 | 2,111 | 1,372 | 448 | 1,155 | 1,551 | 311 | 520 |
| Luxembourg..... | 1,394 | 0 | 24 | 1,418 | 2 | (D) | (D) | 73 | (D) | 0 | (D) | 75 | 288 | 3 |
| Netherlands..... | 18,494 | 0 | 4,452 | 8,133 | 663 | 2,075 | 945 | 963 | (D) | (D) | 1,228 | 1,717 | 2,842 | 3,261 |
| United Kingdom..... | 64,718 | 5 | 12,833 | 24,083 | 1,685 | 3,045 | 2,324 | 6,681 | 1,767 | 4,053 | 5,553 | 5,103 | 6,814 | 2,576 |
| Other Europe..... | 41,656 | 136 | 10,610 | 12,715 | 1,090 | 2,182 | 2,331 | 1,151 | 1,083 | 1,357 | 5,482 | 18,880 | 5,555 | 2,340 |
| Austria..... | 2,442 | 0 | (D) | 520 | 53 | 54 | 33 | 75 | (D) | (D) | (D) | 281 | 116 | 116 |
| Greece..... | 849 | 4 | 200 | 470 | 37 | 138 | (D) | 0 | (D) | 51 | (D) | 115 | 36 | 15 |
| Norway..... | 5,784 | (D) | 4,542 | 127 | (D) | 41 | (D) | (D) | (D) | 0 | 108 | 389 | (D) | 154 |
| Portugal..... | 876 | 0 | 122 | 312 | 37 | 66 | (D) | 4 | (D) | (D) | 63 | 104 | (D) | (D) |
| Spain..... | 11,800 | (D) | 2,711 | 7,589 | 840 | 1,380 | 207 | 385 | 1,210 | (D) | (D) | 770 | 255 | (D) |
| Sweden..... | 4,044 | 0 | 1,107 | 1,551 | 184 | 300 | 160 | 581 | 142 | 42 | 242 | 797 | 183 | 214 |
| Switzerland..... | 14,178 | 0 | 786 | 1,448 | 150 | 150 | 45 | 128 | 280 | 0 | (D) | 6,620 | 4,222 | 906 |
| Turkey..... | 1,574 | (D) | (D) | 244 | 14 | (D) | 0 | (D) | (D) | (D) | 8 | 53 | 0 | (D) |
| Other..... | 1,117 | 0 | 188 | 383 | 8 | (D) | 2 | (D) | (D) | (D) | (D) | 482 | 300 | 109 |
| Japan..... | 41,778 | 0 | 12,087 | 14,010 | 799 | 2,313 | 787 | 2,382 | 745 | 4,702 | 2,982 | 11,082 | 3,325 | 407 |
| Australia, New Zealand, and South Africa..... | 24,070 | 5,274 | 3,263 | 9,585 | 945 | 1,852 | 1,148 | 1,030 | 733 | 2,176 | 1,884 | 2,422 | 3,271 | 1,084 |
| Australia..... | 18,336 | 4,062 | 2,040 | 4,774 | 622 | 1,225 | 809 | 720 | 482 | 1,558 | 1,328 | 1,853 | 2,532 | 810 |
| New Zealand..... | 1,023 | (D) | (D) | 308 | 55 | 75 | 6 | 10 | 28 | (D) | (D) | 282 | 66 | 28 |
| South Africa..... | 5,631 | (D) | (D) | 2,383 | 268 | 345 | 270 | 280 | 261 | (D) | (D) | 533 | 343 | 145 |
| Developing countries..... | 115,823 | 6,040 | 25,001 | 38,348 | 3,367 | 18,885 | 4,569 | 3,044 | 4,076 | 4,219 | 7,539 | 8,189 | 27,341 | 7,542 |
| Latin America..... | 73,041 | 3,746 | 7,088 | 28,068 | 2,750 | 7,523 | 2,439 | 2,462 | 2,355 | 4,406 | 8,028 | 5,388 | 25,373 | 3,806 |
| South America..... | 31,717 | 1,373 | 2,028 | 10,700 | 1,562 | 4,078 | 1,881 | 1,886 | 1,670 | 3,422 | 4,284 | 2,781 | 1,547 | 1,588 |
| Argentina..... | 2,686 | (D) | 348 | 2,115 | 132 | 606 | 80 | 257 | 123 | 603 | 428 | 288 | 82 | (D) |
| Brazil..... | 17,331 | 1,206 | 883 | 12,451 | 800 | 2,380 | 881 | 1,654 | 1,311 | 2,017 | 2,343 | 898 | 1,378 | 483 |
| Chile..... | 397 | (D) | 97 | 157 | 10 | 61 | (D) | 2 | (D) | (D) | 43 | (D) | 4 | 82 |
| Colombia..... | 1,014 | (D) | 244 | 1,044 | 73 | 384 | 89 | 11 | 68 | (D) | (D) | 108 | 87 | (D) |
| Ecuador..... | 1,463 | 0 | 184 | 236 | 42 | 43 | (D) | 11 | 16 | (D) | 73 | 47 | 6 | 18 |
| Peru..... | 1,725 | (D) | 271 | 268 | 45 | 70 | 43 | 3 | 16 | (D) | (D) | (D) | (D) | 24 |
| Venezuela..... | 4,138 | (D) | 228 | 2,208 | 334 | 665 | 670 | 0 | 137 | (D) | 596 | 1,117 | 1,003 | 570 |
| Other..... | 784 | 20 | 188 | 344 | 46 | 16 | (D) | 2 | (D) | (D) | (D) | 80 | (D) | (D) |
| Central America..... | 14,831 | 877 | 307 | 8,492 | 840 | 2,320 | 1,545 | 482 | 663 | 884 | 1,800 | 1,715 | 2,217 | 1,018 |
| Mexico..... | 9,515 | (D) | 107 | 7,507 | 343 | 2,042 | 1,570 | 458 | 605 | 960 | 1,374 | 806 | 237 | (D) |
| Panama..... | 3,482 | 4 | 483 | 123 | (D) | 47 | 0 | 0 | 1 | 0 | (D) | 420 | 1,580 | 293 |
| Other..... | 1,834 | (D) | 218 | 712 | (D) | 109 | 25 | 4 | 55 | 18 | (D) | 190 | 80 | (D) |
| Other Western Hemisphere..... | 28,483 | 786 | 4,550 | 774 | 530 | 288 | 13 | 2 | 14 | (D) | 177 | 887 | 20,490 | 597 |
| Bahamas..... | 1,974 | (D) | (D) | 86 | (D) | (D) | 0 | 0 | 1 | 0 | (D) | 254 | 518 | (D) |
| Bermuda..... | 17,241 | 0 | 1,684 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | (D) | 412 | 14,947 | 183 |
| Netherlands Antilles..... | 5,473 | (D) | 383 | 14 | 0 | (D) | 0 | 0 | 0 | 0 | (D) | 34 | 4,730 | (D) |
| Trinidad and Tobago..... | 1,483 | 0 | 1,178 | 188 | (D) | (D) | 0 | 0 | 0 | 0 | (D) | 19 | 23 | 78 |
| Other..... | 2,222 | 775 | (D) | 471 | 307 | 34 | (D) | 0 | (D) | (D) | 108 | 108 | 24 | (D) |
| Other Africa..... | 8,718 | 2,045 | 4,657 | 1,082 | 140 | 282 | (D) | 19 | 130 | 54 | (D) | 428 | 713 | 840 |
| Sahara..... | 2,761 | 0 | 2,300 | 147 | 18 | 41 | 0 | 14 | 5 | (D) | (D) | 85 | 4 | 205 |
| Egypt..... | 1,082 | 0 | 902 | (D) | 0 | (D) | 0 | 0 | 0 | 0 | (D) | 0 | 1 | 102 |
| Libya..... | 1,097 | 0 | 1,577 | (D) | 0 | 0 | 0 | 0 | 0 | 0 | (D) | 0 | 0 | 9 |
| Other..... | 582 | 0 | 280 | 138 | 15 | (D) | 6 | (D) | 5 | 0 | (D) | 66 | 3 | 100 |
| Sub-Saharan..... | 6,065 | 2,085 | 2,357 | 875 | 125 | 140 | (D) | 3 | 124 | (D) | 187 | 345 | 708 | 835 |
| Liberia..... | 628 | (D) | (D) | 3 | 3 | 0 | 0 | 0 | 0 | 0 | (D) | 0 | 631 | 133 |
| Nigeria..... | 1,788 | 0 | 1,134 | 197 | (D) | 66 | (D) | 0 | 0 | 0 | (D) | 116 | (D) | (D) |
| Other..... | 4,250 | (D) | (D) | 675 | 74 | 74 | (D) | 3 | (D) | (D) | 182 | (D) | (D) | (D) |
| Middle East..... | 14,576 | 15 | 6,254 | 1,685 | 82 | 250 | 433 | 87 | 297 | (D) | (D) | 658 | 608 | 2,388 |
| Israel..... | 1,128 | (D) | (D) | 540 | (D) | 148 | (D) | (D) | (D) | (D) | (D) | 85 | (D) | (D) |
| OPEC..... | 12,403 | (D) | 2,587 | 844 | 32 | 189 | (D) | (D) | (D) | (D) | (D) | 506 | (D) | (D) |
| Iran..... | 3,480 | (D) | 1,570 | 777 | (D) | 161 | (D) | (D) | (D) | (D) | (D) | 422 | (D) | (D) |
| Other..... | 8,923 | (D) | 6,017 | 67 | (D) | 38 | (D) | (D) | (D) | (D) | (D) | 26 | (D) | (D) |
| Other..... | 1,068 | 0 | (D) | 281 | (D) | 2 | (D) | (D) | (D) | (D) | (D) | 54 | 87 | (D) |
| Other Asia and Pacific..... | 18,489 | 224 | 8,105 | 6,684 | 428 | 2,500 | (D) | 427 | 1,285 | (D) | 1,108 | 1,740 | 608 | 1,128 |
| Hong Kong..... | 2,631 | 0 | 518 | 518 | (D) | 128 | 21 | 38 | 173 | 1 | (D) | 338 | 382 | 343 |
| India..... | 1,802 | 0 | 211 | 1,484 | (D) | 488 | (D) | 183 | 148 | 71 | (D) | 17 | (D) | (D) |
| Indonesia..... | 3,085 | (D) | 2,327 | 275 | 11 | 87 | 15 | 1 | (D) | 8 | (D) | 28 | 11 | (D) |
| Malaysia..... | 878 | (D) | 437 | 267 | 18 | 46 | 0 | 0 | 168 | 0 | (D) | 93 | 11 | (D) |
| Philippines..... | 3,050 | (D) | 958 | 238 | 280 | 280 | 28 | 0 | 92 | (D) | (D) | 207 | 114 | (D) |
| Singapore..... | 1,840 | 0 | 577 | 574 | 11 | 13 | 0 | 0 | 263 | (D) | (D) | 260 | 88 | (D) |
| South Korea..... | 2,203 | 0 | 945 | 1,315 | 15 | 146 | 1 | 0 | 67 | (D) | (D) | 73 | 26 | 23 |
| Taiwan..... | 1,000 | 0 | 45 | 848 | 46 | 361 | 2 | 0 | 314 | 77 | (D) | 104 | 8 | 5 |
| Thailand..... | 957 | 13 | 241 | 210 | 27 | 48 | 20 | 0 | 25 | 1 | (D) | 111 | 6 | 48 |
| Other..... | 558 | (D) | (D) | 187 | (D) | 187 | (D) | (D) | (D) | 0 | (D) | 80 | (D) | 110 |
| International..... | 14,778 | 6 | 10,163 | 8 | 4 | 8 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 4,481 |
| Addendum: OPEC..... | 26,894 | 301 | 12,777 | 4,852 | 437 | 985 | 770 | 148 | 314 | 385 | 1,316 | 1,850 | 1,347 | 2,307 |

* Less than \$500,000 (±).

b Suppressed to avoid disclosure of data for a specific person.

CURRENT BUSINESS STATISTICS

THE STATISTICS here update series published in the 1977 edition of BUSINESS STATISTICS, biennial statistical supplement to the SURVEY OF CURRENT BUSINESS. That volume (available from the Superintendent of Documents for \$6.25) provides a description of each series, references to sources of earlier figures, and historical data as follows: For all series, monthly or quarterly, 1973 through 1976 (1966-76 for major quarterly series), annually, 1947-76; for selected series, monthly or quarterly, 1947-76 (where available).

The sources of the data are given in the 1977 edition of BUSINESS STATISTICS; they appear in the main descriptive note for each series, and are also listed alphabetically on pages 181-182. Statistics originating in Government agencies are not copyrighted and may be reprinted freely. Data from private sources are provided through the courtesy of the compilers, and are subject to their copyrights.

| Unless otherwise stated in footnotes below, data through 1976 and descriptive notes are as shown in the 1977 edition of BUSINESS STATISTICS | 1976 | 1978 | 1980 | 1979 | | | 1979 | | | | 1980 | | | | 1981 | |
|---|--------------|------|------|------|----|----|------|----|-----|----|------|----|-----|----|------|----|
| | Annual total | | | I | II | IV | I | II | III | IV | I | II | III | IV | I | II |

GENERAL BUSINESS INDICATORS—Quarterly Series

| NEW PLANT AND EQUIPMENT EXPENDITURES | | | | | | | | | | | | | | | | |
|--|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| Unadjusted quarterly or annual totals: | | | | | | | | | | | | | | | | |
| Total nonfarm business | bil. \$ | 381.94 | 270.98 | 285.83 | 57.41 | 65.47 | 67.57 | 57.26 | 66.51 | 68.39 | 77.90 | 65.16 | 74.02 | 74.12 | 82.31 | 88.26 |
| Manufacturing | do | 79.73 | 58.68 | 115.51 | 19.58 | 19.53 | 24.45 | 19.55 | 22.53 | 24.55 | 30.42 | 24.10 | 28.55 | 28.56 | 33.97 | 28.19 |
| Durable goods industries | do | 40.43 | 51.07 | 58.91 | 9.89 | 10.34 | 12.46 | 10.04 | 12.31 | 12.89 | 16.73 | 12.64 | 14.79 | 14.49 | 17.09 | 15.31 |
| Non-durable goods industries | do | 39.30 | 47.61 | 56.60 | 9.69 | 9.19 | 12.00 | 9.51 | 11.37 | 11.64 | 14.00 | 11.46 | 14.00 | 14.00 | 16.78 | 12.87 |
| Nonmanufacturing | do | 151.53 | 171.77 | 179.81 | 37.83 | 38.55 | 43.12 | 37.61 | 43.13 | 43.87 | 47.57 | 41.05 | 45.16 | 45.13 | 48.44 | 43.06 |
| Mining | do | 10.21 | 11.59 | 13.51 | 2.59 | 2.64 | 2.80 | 2.59 | 2.81 | 2.87 | 3.11 | 2.74 | 3.27 | 3.50 | 4.01 | 3.84 |
| Railroad | do | 3.48 | 4.09 | 4.35 | 0.88 | 0.89 | 0.88 | 0.86 | 1.00 | 1.04 | 1.12 | 0.89 | 1.06 | 1.00 | 1.20 | 0.88 |
| Air transportation | do | 3.09 | 4.01 | 4.11 | 0.82 | 0.72 | 0.85 | 0.80 | 1.19 | 0.91 | 1.13 | 0.90 | 1.27 | 0.93 | 0.91 | 0.94 |
| Other transportation | do | 4.19 | 4.81 | 3.82 | 1.00 | 1.05 | 1.22 | 0.82 | 1.08 | 1.16 | 1.23 | 0.84 | 0.96 | 1.07 | 0.94 | 0.89 |
| Public utilities | do | 39.55 | 39.56 | 35.44 | 7.30 | 7.27 | 8.63 | 7.18 | 8.59 | 8.80 | 8.28 | 8.01 | 8.84 | 8.97 | 8.82 | 8.13 |
| Electric | do | 34.43 | 37.65 | 38.12 | 6.02 | 6.04 | 7.28 | 6.15 | 7.05 | 7.03 | 7.42 | 6.64 | 7.07 | 6.89 | 7.89 | 6.82 |
| Gas and other | do | 5.12 | 1.91 | 7.32 | 1.28 | 1.24 | 1.35 | 1.03 | 1.54 | 1.77 | 1.86 | 1.37 | 1.77 | 2.08 | 2.10 | 2.32 |
| Trade and services | do | 68.68 | 78.26 | 81.79 | 17.29 | 17.34 | 18.47 | 17.83 | 19.76 | 19.87 | 22.01 | 19.65 | 20.23 | 20.38 | 22.09 | 19.89 |
| Communication and other | do | 32.03 | 34.33 | 35.89 | 7.88 | 8.36 | 8.90 | 7.72 | 8.70 | 8.79 | 8.62 | 8.62 | 8.82 | 8.29 | 9.67 | 8.20 |
| Seasonally adjusted quarterly totals at annual rates: | | | | | | | | | | | | | | | | |
| Total nonfarm business | do | | | | 327.53 | 335.24 | 347.36 | 345.54 | 365.24 | 378.15 | 394.30 | 391.59 | 394.38 | 399.23 | 399.58 | 310.10 |
| Manufacturing | do | | | | 78.18 | 79.96 | 86.18 | 80.79 | 94.71 | 100.11 | 104.87 | 111.77 | 115.69 | 118.40 | 118.83 | 121.17 |
| Durable goods industries | do | | | | 39.47 | 41.89 | 49.98 | 46.39 | 49.26 | 52.13 | 54.09 | 58.28 | 59.38 | 58.19 | 59.77 | 61.87 |
| Non-durable goods industries | do | | | | 38.73 | 38.07 | 42.27 | 44.47 | 45.47 | 47.97 | 51.05 | 53.45 | 54.32 | 58.21 | 58.68 | 59.31 |
| Nonmanufacturing | do | | | | 149.34 | 155.28 | 161.21 | 164.80 | 170.62 | 178.04 | 177.73 | 180.13 | 178.69 | 179.83 | 180.96 | 188.93 |
| Mining | do | | | | 10.12 | 10.48 | 11.08 | 11.23 | 11.51 | 11.40 | 11.56 | 11.58 | 12.51 | 13.56 | 15.39 | 15.36 |
| Railroad | do | | | | 3.54 | 3.54 | 3.58 | 3.50 | 3.85 | 4.13 | 4.24 | 4.48 | 4.06 | 3.85 | 4.34 | 3.87 |
| Air transportation | do | | | | 2.73 | 3.08 | 3.41 | 3.49 | 4.08 | 3.95 | 4.55 | 3.98 | 4.57 | 4.56 | 4.97 | 3.88 |
| Other transportation | do | | | | 3.86 | 4.05 | 4.34 | 4.04 | 4.16 | 4.83 | 4.41 | 4.11 | 3.76 | 4.18 | 4.39 | 4.06 |
| Public utilities | do | | | | 33.99 | 30.18 | 32.12 | 31.40 | 34.03 | 36.05 | 34.06 | 36.28 | 35.63 | 35.58 | 34.95 | 36.85 |
| Electric | do | | | | 28.79 | 30.48 | 30.55 | 28.85 | 27.88 | 28.71 | 27.16 | 28.98 | 27.51 | 28.14 | 27.54 | 28.90 |
| Gas and other | do | | | | 5.14 | 5.49 | 6.45 | 6.55 | 6.14 | 6.38 | 6.82 | 7.38 | 7.13 | 7.44 | 7.41 | 7.96 |
| Trade and services | do | | | | 68.88 | 68.73 | 78.32 | 76.03 | 79.03 | 78.84 | 82.69 | 82.77 | 81.07 | 81.19 | 82.91 | 84.83 |
| Communication and other | do | | | | 31.48 | 28.24 | 28.28 | 32.71 | 34.44 | 36.05 | 35.80 | 37.34 | 37.86 | 36.97 | 38.11 | 40.34 |
| U.S. INTERNATIONAL TRANSACTIONS | | | | | | | | | | | | | | | | |
| Quarterly Data Are Seasonally Adjusted (Credits +; debits -) | | | | | | | | | | | | | | | | |
| Exports of goods and services (incl. military grants) | mil. \$ | 231,096 | 286,331 | 246,687 | 54,158 | 58,432 | 61,131 | 65,665 | 67,784 | 74,782 | 78,307 | 85,521 | 81,797 | 85,015 | 87,586 | |
| Merchandise, adjusted, excl. military | do | 142,064 | 182,068 | 221,781 | 38,404 | 38,828 | 36,900 | 41,805 | 42,818 | 47,207 | 50,239 | 54,904 | 54,606 | 55,161 | 56,391 | |
| Transfers under U.S. military agency sales contracts | mil. \$ | 6,240 | 7,194 | 7,470 | 2,055 | 2,013 | 2,061 | 2,000 | 1,927 | 1,892 | 1,975 | 1,697 | 1,798 | 2,093 | 2,132 | |
| Receipts of income on U.S. assets abroad | do | 43,978 | 45,970 | 76,089 | 9,557 | 10,637 | 12,551 | 14,263 | 15,259 | 18,050 | 18,407 | 20,824 | 16,620 | 15,755 | 19,830 | |
| Other services | do | 37,778 | 31,339 | 35,008 | 8,740 | 7,034 | 7,329 | 7,699 | 7,771 | 7,533 | 8,066 | 8,596 | 6,794 | 8,855 | 9,243 | |
| Imports of goods and services | do | -230,240 | -281,569 | -338,810 | -58,951 | -58,265 | -60,659 | -62,688 | -67,694 | -72,268 | -78,490 | -83,380 | -82,983 | -79,895 | -84,882 | |
| Merchandise, adjusted, excl. military | do | -176,813 | -211,454 | -249,185 | -43,699 | -44,339 | -45,715 | -49,422 | -50,578 | -54,259 | -59,387 | -65,462 | -65,104 | -69,029 | -69,536 | |
| Direct defense expenditures | do | -7,364 | -8,489 | -19,779 | -1,762 | -1,874 | -3,049 | -2,629 | -2,038 | -3,135 | -2,275 | -2,419 | -2,762 | -2,729 | -2,980 | |
| Payments of income on foreign assets in the U.S. | mil. \$ | -23,073 | -39,460 | -45,484 | -5,474 | -5,717 | -6,843 | -7,325 | -7,992 | -8,731 | -9,534 | -10,762 | -10,516 | -10,700 | -11,514 | |
| Other services | do | -23,001 | -29,179 | -30,409 | -5,036 | -6,458 | -6,832 | -6,762 | -6,990 | -7,143 | -7,284 | -7,697 | -7,504 | -7,627 | -7,673 | |
| Unilateral transfers (excl. military grants), net | mil. \$ | -5,055 | -5,665 | -5,959 | -1,307 | -1,333 | -1,313 | -1,324 | -1,393 | -1,407 | -1,582 | -1,612 | -1,328 | -1,627 | -2,295 | |
| U.S. Government grants (excl. military) | do | -3,171 | -3,824 | -4,503 | -851 | -772 | -796 | -660 | -698 | -678 | -667 | -1,247 | -782 | -849 | -1,548 | |
| Other | do | -1,884 | -2,142 | -2,456 | -476 | -561 | -518 | -664 | -695 | -729 | -915 | -865 | -546 | -778 | -747 | |
| U.S. assets abroad, net | do | -61,191 | -61,774 | -64,562 | -5,749 | -5,977 | -33,419 | -7,705 | -18,800 | -25,115 | -13,482 | -12,708 | -25,704 | -19,135 | -26,961 | |
| U.S. official reserve assets, net | do | 782 | -1,133 | -6,155 | 248 | 116 | 182 | -3,585 | 328 | 2,779 | -649 | -3,269 | 582 | -1,109 | -4,279 | |
| U.S. Gov't assets, other than official reserve assets, net | mil. \$ | -6,444 | -3,783 | -5,111 | -1,267 | -1,398 | -891 | -1,102 | -891 | -768 | -955 | -1,467 | -1,181 | -1,874 | -1,079 | |
| U.S. private assets, net | do | -57,279 | -58,659 | -71,295 | -4,740 | -5,708 | -39,609 | -3,081 | -14,831 | -27,328 | -11,918 | -7,971 | -35,919 | -18,652 | -21,553 | |
| Direct investments abroad | do | -16,845 | -24,819 | -20,582 | -4,061 | -3,010 | -4,878 | -5,479 | -7,214 | -7,158 | -4,159 | -4,458 | -2,969 | -4,068 | -5,207 | |
| Foreign assets in the U.S., net | do | 84,098 | 97,875 | 47,826 | 775 | 17,069 | 28,048 | 2,201 | 6,487 | 24,841 | 4,085 | 7,194 | 7,949 | 11,743 | 20,720 | |
| Foreign official assets, net | do | 33,293 | -14,371 | 15,179 | -5,273 | 4,777 | 18,388 | -8,744 | -10,066 | 5,789 | -1,251 | -7,218 | 7,775 | 7,981 | 7,628 | |
| Other foreign assets, net | do | 50,804 | 31,446 | 32,646 | 8,048 | 12,292 | 9,660 | 10,845 | 16,552 | 19,152 | 5,246 | 14,405 | 174 | 3,771 | 13,092 | |
| Direct investments in the U.S. | do | 7,897 | 9,713 | 8,304 | 2,313 | 2,830 | 1,808 | 1,120 | 2,812 | 3,217 | 2,864 | 1,688 | 3,082 | 2,497 | 1,920 | |
| Allocation of special drawing rights | do | | 1,139 | 1,152 | | | | 1,139 | | | | 1,152 | | | | |
| Statistical discrepancy | do | 11,354 | 38,785 | 35,605 | 9,078 | -3,928 | 3,190 | 3,082 | 10,976 | -633 | 11,202 | 6,691 | 20,200 | 2,879 | 5,544 | |
| Memoranda: | | | | | | | | | | | | | | | | |
| Balance on merchandise trade | do | -33,759 | -29,386 | -27,354 | -6,296 | -7,508 | -6,615 | -5,116 | -6,060 | -7,082 | -9,155 | -10,648 | -7,603 | -2,868 | -4,145 | |
| Balance on goods and services | do | -9,204 | 4,961 | 7,077 | -2,795 | -1,835 | 493 | 2,730 | -180 | 2,434 | -163 | -809 | -1,115 | 5,090 | 3,863 | |
| Balance on goods, services, and remittances | do | -11,085 | 2,819 | 4,638 | -3,271 | -2,384 | -25 | 2,254 | -844 | 1,653 | -845 | -1,874 | -1,679 | 5,442 | 2,338 | |
| Balance on current account | do | -14,259 | -705 | 116 | -4,302 | -3,165 | -830 | 1,406 | -1,463 | 1,107 | -1,735 | -2,621 | -2,441 | 4,483 | 687 | |

See footnotes at end of tables.

(2) U.S. imports shipped to U.S. parents by unaffiliated foreigners of \$45.2 billion. MNC-associated imports accounted for 59 percent of total U.S. imports.¹²

R&D expenditures

* R&D expenditures by majority-owned nonbank affiliates (these data are not available for other nonbank affiliates) were \$2.1 billion in 1977. Nearly all expenditures—92 percent—were by affiliates in developed countries. Affiliates in Europe, particularly in Germany, the United Kingdom, and France, accounted for 73 percent and affiliates in Canada for 12 percent. By

12. Data for total U.S. imports are on a Census basis, f.a.s. foreign port of exportation, as published in DiLullo, "U.S. International Transactions," table 3, page 42.

The reported benchmark survey data are stored on magnetic tape. Unpublished data can be tabulated and results of data manipulations, including regression analyses, can be provided at cost, within the limits of available resources and subject to the requirement of the International Investment Survey Act to avoid disclosure of data for specific persons. For further information, write to International Investment Division, BE-50(OC), Bureau of Economic Analysis, U.S. Department of Commerce, Washington, D.C. 20230.

industry of affiliate, manufacturing accounted for 86 percent of the expenditures. Within manufacturing, the largest expenditures were in transportation equipment, chemicals, and electric and electronic equipment.

* Expenditures by nonbank U.S. parents of nonbank affiliates for R&D for their own (rather than others') benefit

were \$19.0 billion, of which 90 percent were by parents in manufacturing. Within manufacturing, transportation equipment, nonelectrical machinery, and chemicals had the largest shares. Federally funded expenditures for R&D performed by U.S. parents, whether for their own or others' benefit, were \$8.0 billion.